

**AN OPTICAL DISK PICKUP USING CURRENT MODE SIGNAL
EXCHANGES AND SYSTEMS AND METHODS USING THE SAME**

ABSTRACT OF THE DISCLOSURE

5 An optical disk pickup system includes an array of photodiodes 101 for
converting photons reflected from an optical disk into a plurality of electrical
signals each representing a channel. Driving circuitry 407, 408 drives at least
one of the electrical signals as a current across a conductor of a flexible cable
403. A low impedance load 404 converts the electrical signal driven across the
conductor as a current into a voltage for further processing.

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2836-P081D1 09/17/2003